ORIGINAL

OPEN MEETING

MEMORANDUM Arizona Corporation Commission

DOCKETED



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TO:

THE COMMISSION

OCT 6 2015

2015 OCT -6 A 11: 36

FROM:

Utilities Division

DOCKETED BY

AZ CORP COMMISSI DOCKET CONTROL

DATE:

October 6, 2015

RE:

IN THE MATTER OF THE APPLICATION OF MOHAVE ELECTRIC COOPERATIVE, INC. FOR APPROVAL OF ITS 2016 RENEWABLE ENERGY STANDARD AND TARIFF PLAN, INCLUDING A RENEWABLE

ENERGY STANDARD TARIFF (DOCKET NO. E-01750A-15-0237)

Background

On July 1, 2015, Mohave Electric Cooperative, Inc. ("MEC") filed an application for approval of its 2016 Renewable Energy Standard and Tariff ("REST") Plan. The 2016 REST Plan retains the significant features of the 2015 REST Plan (approved in Decision No. 74879) with some modifications.

MEC's REST Plan

The MEC REST Plan would include the eight components from the 2015 Plan. Those components are as follows:

- 1) Voluntary Renewable Energy Program
- 2) Member Self-Directed Renewable Energy Program
- 3) SunWatts Residential and Commercial Incentive Program
- 4) PV¹ for Schools Loan Repayment formerly Clean Renewable Energy Bonds PV for Schools
- 5) SunWatts Large-Scale Program (in conjunction with AEPCO)
- 6) Geothermal Resources
- 7) Distributed Generation Solar Installation
- 8) Solar Initiative Benefitting the Community (formerly "Community-Based Projects")

MEC is not proposing any changes to its Voluntary Renewable Energy Program, its Renewable Energy Customer Self-Directed Program, its PV for Schools Loan Repayment (formerly "Clean Renewable Energy Bonds"), its SunWatts Large-Scale Program or its Geothermal Resources. MEC is proposing minor changes to its SunWatts Residential and Commercial Incentive Program, its Distributed Generation Solar Installation, and its Solar Initiative Benefitting the Community (formerly "Community-Based Projects").

¹ Photovoltaic

SunWatts Residential and Commercial Incentive Program

MEC proposes to change the residential and commercial PV and wind incentive from the 2015 amount of \$0.20/watt of installed nameplate capacity to \$0.05/watt for 2016. Additionally, the associated dollar cap would be reduced to \$2,500 for both residential and commercial PV and wind systems installed at a single location. MEC proposes that all other terms for the program remain the same in 2016 as in 2015.

The proposed incentives are shown in Table 1 below.

Table 1 Mohave Electric Cooperative Proposed 2016 REST Incentives

System	Incentive	Cap or Limit
Residential and Small Commercial PV or Wind up to 50 kW and 125% of connected load. Greater than 50 kW on case-by-case incentive.	\$0.05/Watt	\$2,500 residential or commercial system
Solar Water Heating if replacing traditional electric.	\$0.75/kWh saved, based on first year of operation	Customer contributes at least 15% of system cost
Daylighting	\$0.20/kWh saved, based on first year of operation	
Biomass/Biogas Electric Generation	\$0.06/kWh over 10 years	
Biomass/Biogas CHP Electric	\$0.035/kWh over 10 years	
Biomass/Biogas CHP Thermal	\$0.018/kWh over 10 years	
Biomass/Biogas Thermal	\$0.015/kWh over 10 years	
Biomass/Biogas Cooling	\$0.032/kWh over 10 years	
Solar Cooling	\$0.129/kWh over 10 years	

Distributed Generation Solar Installation

The 4.8 MW photovoltaic project described in MEC's approved 2015 REST Plan became operational in April 2015. The developer-based solar farm is located within MEC's service territory, is connected at distribution voltage level, and the energy produced is used by MEC to serve load

near the location of the project. MEC is purchasing the renewable energy production through a Purchase Power agreement. REST funds will be used for the cost of renewable power purchased from this resource to the extent such power costs exceed MEC's currently posted and Commission approved Annual Average Avoided Cost of power set forth in its Net Metering Service Tariff.

Solar Initiative Benefiting the Community (Formerly "Community-Based Projects")

MEC's program is focused on facilities serving government, schools, fire stations, and non-profit organizations. This program benefits a large number of MEC's members as taxpayers by reducing operating costs for these entities and organizations.

Since 2010, this program has funded PV installations at five fire stations, four government buildings, two high schools, and four non-profit facilities.

MEC proposes to continue this program to include the following three projects with a total budget of \$200,000 for 2016:

PV for Fire Stations

MEC will select up to four fire stations in its service territory for PV projects not to exceed \$75,000 each, and with a total budget of \$150,000.

Habitat for Humanity

MEC's previous REST Plans provided for one Habitat for Humanity residential PV project per year not to exceed \$25,000. In years where Habitat does not designate an eligible low income single-family residential project under this program by July 1 of the Plan year, MEC would select another community-based nonprofit organization to receive the \$25,000 PV project.

1947 Lil' Red Schoolhouse

MEC has selected a historical community project building known as the Lil' Red Schoolhouse to receive a PV system not to exceed \$25,000.

In previous REST Plan years, MEC successfully facilitated government funding and private donations to enhance this program. MEC will continue to pursue similar funding for future projects under this program when opportunities exist.

Educational Grant Program

One school per year, in MEC's service area, would be offered an educational grant of no more than \$5,000 for the development of renewable energy generation educational curricula for the classroom.

Administration and Advertising

MEC will not use more than 15 percent of total surcharge funds for administration and advertising expenses. At the end of each program year, unused funds will be carried over to fund activities and programs in the following year. MEC also seeks to maintain its ability to shift approved REST Plan funds between programs as approved in MEC's 2015 Plan.

MEC maintains information on its customer-driven programs on its website at www.mohaveelectric.com. MEC continues to support and participate in the Arizona Goes Solar website mandated by the Commission, the administration of which is spearheaded by Arizona Public Service Company.

Budget

The budget proposal for 2016 is approximately \$1.03 million as shown below in Table 2.

Table 2
Mohave Electric Cooperative
2016 REST Plan Budget

Residential and Commercial Incentives	\$100,000
Up to 5 MW Distributed Generation-Solar	435,632
PV For Schools Loan Repayment	103,189
GO SOLAR Website	516
Solar Water Heating	18,000
Geothermal Resources-Willcox Greenhouse	29,544
Administration & Advertising	140,000
Educational Grants	5,000
Solar Initiatives for the Community:	
Habitat for Humanity	25,000
Fire Stations	150,000
1947 Schoolhouse	25,000
Total Budget	\$1,031,881

Funding and Surcharge

MEC is proposing to reduce its REST surcharge rates for 2016. Over the past two years, Mohave has accumulated a surplus of funds (\$3,039,516 forecasted for January 1, 2016) from the REST surcharge revenue collected. The proposed reduced rates are designed to maintain current

budget levels for the existing programs by using past accumulated revenue along with revenue from expected collections with the amended rates. A copy of the proposed Tariff is included in the REST TARIFFS section of the filed REST Plan.

Staff has reviewed MEC's REST surcharge rates proposed to fund its annual budget for 2016 which are reduced from present rates. In light of the over-collection, Staff is proposing to reduce the REST surcharge to zero for all customers. Rates are shown in Table 3 below.

Expected revenue from customer classes is shown in Table 4.

Table 3
Mohave Electric Cooperative
Present and Proposed REST Surcharge Rates

	Present		MEC Proposed		Staff Proposed	
Customer Class	Energy Charge	Monthly Cap	Energy Charge	Monthly Cap	Energy Charge	Monthly Cap
Residential	\$0.0032	\$1.05	\$0.0023006	\$0.75	\$0.00	\$0.00
Governmental and Agricultural Governmental and Agricultural	\$0.0003	\$5.00	\$0.0002198	\$3.50	\$0.00	\$0.00
≥ 3 MW	\$0.0003	\$16.50	\$0.0002198	\$10.50	\$0.00	\$0.00
Irrigation	\$0.0018	\$16.50	\$0.0012881	\$11.75	\$0.00	\$0.00
Small Commercial	\$0.0018	\$16.50	\$0.0012881	\$11.75	\$0.00	\$0.00
Large Power	\$0.0018	\$16.50	\$0.0012881	\$11.75	\$0.00	\$0.00
Non-Residential ≥ 3 MW	\$0.0018	\$49.50	\$0.0012881	\$35.25	\$0.00	\$0.00
Highway	\$0.0032	\$1.05	\$0.0023006	\$0.75	\$0.00	\$0.00

Table 4
Mohave Electric Cooperative
2016 REST Funding from Surcharge

	Revenue	Average Charge	Cap Amount	Percent of Customers at Cap
Residential	\$267,657	\$0.37	\$0.75	75.38%
Government	\$3,363	\$0.53	\$3.50	8.71%
Irrigation	\$1,519	\$5.39	\$11.75	72.37%
Small Commercial	\$93,234	\$1.73	\$11.75	6.75%
Large Power	\$10,126	\$5.67	\$11.75	92.63%
Street Lighting	\$351	\$0.13	\$0.75	1.38%
Total	\$376,251			

In the application, MEC has included some language on its RES Tariff regarding calculation of the RES Surcharge for prepaid customers (See A. under "Special Calculations"). MEC has agreed that the proposed language is in error. The language on the tariff should be the language that was approved by Decision No. 72082 (rate case Decision) with the updated surcharge and cap as approved by the Decision in this matter. The language should be as follows:

In the case of residential customers taking optional Prepaid Residential Service, the RES surcharge will be calculated daily at \$0.00 per kilowatt-hour of retail electricity purchased by the consumer that day, until the monthly surcharge cap of \$0.00 per service has been reached for the monthly billing period applicable to the service address.

Staff Recommendations

Staff recommends that MEC's proposed 2016 Renewable Energy Standard and Tariff Plan be approved as discussed herein.

Staff recommends that MEC's proposed incentive amounts as shown in Table 1 be approved with the exception that the incentive for PV and wind remain at \$0.20/watt.

Staff recommends that MEC's Renewable Energy Standard Tariff rates and caps be reduced as proposed by Staff in Table 3.

Staff recommends that, beginning in 2016, MEC file its annual REST compliance reports (required per Arizona Administrative Code R14-2-1812) in a docket to be opened by Staff.

Staff recommends that MEC file in Docket Control a Renewable Energy Standard Tariff consistent with the Decision in this case within 15 days of the effective date of the Decision.

Thomas M. Broderick

for a And

Director

Utilities Division

TMB: JJP:nr\RRM

ORIGINATOR: Jeffrey Pasquinelli

1	BEFORE THE ARIZONA CORPORATION COMMISSION
2	SUSAN BITTER SMITH Chairman
3	BOB STUMP
4	Commissioner BOB BURNS
5	Commissioner DOUG LITTLE
6	Commissioner TOM FORESE
7	Commissioner
8	IN THE MATTER OF THE APPLICATION) DOCKET NO. E-01750A-15-0237
9	OF MOHAVE ELECTRIC COOPERATIVE, A DECISION NO
10	INC. FOR APPROVAL OF ITS 2016 RENEWABLE ENERGY STANDARD AND ORDER TARIFF PLAN, INCLUDING A
11	RENEWABLE ENERGY STANDARD
12	TARIFF.
13	On an Markina
14	Open Meeting October 20 and 21, 2015
	Phoenix, Arizona
15	BY THE COMMISSION:
16	<u>FINDINGS OF FACT</u>
17	1. Mohave Electric Cooperative, Inc. ("MEC") is engaged in providing electric service
18	within portions of Arizona, pursuant to authority granted by the Arizona Corporation Commission
19	("Commission").
20	Background
21	2. On July 1, 2015, Mohave Electric Cooperative, Inc. ("MEC") filed an application for
22	approval of its 2016 Renewable Energy Standard and Tariff ("REST") Plan. The 2016 REST Plan
23	retains the significant features of the 2015 REST Plan (approved in Decision No. 74879) with some
24	modifications.
25	MEC's REST Plan
26	3. The MEC REST Plan for 2016 would continue the eight components from the 2015
27	Plan. Those components are the following:
28	···

1	a.	Voluntary Renewable Energy Program
2	b.	Member Self-Directed Renewable Energy Program
3	c.	SunWatts Residential and Commercial Incentive Program
4	d.	PV ¹ for Schools Loan Repayment – formerly Clean Renewable Energy Bonds
5		PV for Schools
6	e.	SunWatts Large-Scale Program (in conjunction with AEPCO)
7	f.	Geothermal Resources
8	g.	Distributed Generation Solar Installation
9	h.	Solar Initiative Benefitting the Community (formerly "Community-Based
10		Projects")
11	4. MEC	is not proposing any changes to its Voluntary Renewable Energy Program, its
12	Renewable Energy C	ustomer Self-Directed Program, its PV for Schools Loan Repayment (formerly
13	"Clean Renewable E1	nergy Bonds"), its SunWatts Large-Scale Program or its Geothermal Resources.
14	MEC is proposing m	inor changes to its SunWatts Residential and Commercial Incentive Program, its
15	Distributed Generation	on Solar Installation, and its Solar Initiative Benefitting the Community (formerly
16	"Community-Based F	Projects").
17	SunWatts Residenti	al and Commercial Incentive Program
18	5. MEC	proposes to change the residential and commercial PV and wind incentive from
19	the 2015 amount of	\$0.20/watt of installed nameplate capacity to \$0.05/watt for 2016. Additionally,
20	the associated dollar	cap would be reduced to \$2,500 for both residential and commercial PV and
21	wind systems installed	d at a single location. MEC proposes that all other terms for the program remain
22	the same in 2016 as in	n 2015.
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27	• • •	
28	Photovoltaic	

6. The proposed incentives are shown in Table 1 below.

Table 1 Mohave Electric Cooperative Proposed 2016 REST Incentives

System	Incentive	Cap or Limit
Residential and Small Commercial PV or Wind up to 50 kW and 125% of connected load. Greater than 50 kW on case-by-case incentive.	\$0.05/Watt	\$2,500 residential or commercial system
Solar Water Heating if replacing traditional electric.	\$0.75/kWh saved, based on first year of operation	Customer contributes at least 15% of system cost
Daylighting	\$0.20/kWh saved, based on first year of operation	
Biomass/Biogas Electric Generation	\$0.06/kWh over 10 years	
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Biomass/Biogas Cooling	\$0.032/kWh over 10 years	
Solar Cooling	\$0.129/kWh over 10 years	

Distributed Generation Solar Installation

7. The 4.8 MW photovoltaic project described in MEC's approved 2015 REST Plan became operational in April 2015. The developer-based solar farm is located within MEC's service territory, is connected at distribution voltage level, and the energy produced is used by MEC to serve load near the location of the project. MEC is purchasing the renewable energy production through a Purchase Power agreement. REST funds will be used for the cost of renewable power purchased from this resource to the extent such power costs exceed MEC's currently posted and Commission-approved Annual Average Avoided Cost of power set forth in its Net Metering Service Tariff.

Solar Initiative Benefiting the Community (formerly "Community-Based Programs")

- 8. MEC's program is focused on facilities serving government, schools, fire stations, and non-profit organizations. This program benefits a large number of MEC's members as taxpayers by reducing operating costs for these entities and organizations.
- 9. Since 2010, this program has funded PV installations at five fire stations, four government buildings, two high schools, and four non-profit facilities.

Decision No.

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1	10. MEC proposes to continue this program to include the following projects with a total
2	budget of \$200,000 for 2016:
3	PV for Fire Stations
4	MEC will select up to four fire stations in its service territory for PV projects not to exceed
5	\$75,000 each, and with a total budget of \$150,000.
6	<u>Habitat for Humanity</u>
7	MEC's previous REST Plans provided for one Habitat for Humanity residential PV project
8	per year; not to exceed \$25,000. In years where Habitat does not designate an eligible low
9	income single-family residential project under this program by July 1 of the Plan year, MEC
10	would select another community-based nonprofit organization to receive the \$25,000 PV
11	project.
12	1947 Lil' Red Schoolhouse
13	MEC has selected a historical community project building known as the Lil' Red Schoolhouse
14	to receive a PV system not to exceed \$25,000.
15	11. In previous REST Plan years, MEC successfully facilitated government funding and
16	private donations to enhance this program. MEC will continue to pursue similar funding for future
17	projects under this program when opportunities exist.
18	Educational Grant Program
19	12. One school per year, in MEC's service area, would be offered an educational grant of
20	no more than \$5,000 for the development of renewable energy generation educational curricula for
21	the classroom.
22	Administration and Advertising
23	13. MEC will not use more than 15 percent of total surcharge funds for administration
24	and advertising expenses. At the end of each program year, unused funds will be carried over to fund

activities and programs in the following year. MEC also seeks to maintain its ability to shift approved

REST Plan funds between programs as approved in MEC's 2015 Plan.

14.

Service Company.

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Budget

15. The budget proposed for 2016 is approximately \$1.03 million as shown below in Table

www.mohaveelectric.com. MEC continues to support and participate in the Arizona Goes Solar

website mandated by the Commission, the administration of which is spearheaded by Arizona Public

MEC maintains information on its customer-driven programs on its website at

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Table 2 Mohave Electric Cooperative 2016 REST Plan Budget

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Solar Initiatives for the Community:	
Habitat for Humanity	25,000
Fire Stations	150,000
1947 Schoolhouse	25,000
Total Budget	\$1,031,881

Funding and Surcharge

16. MEC is proposing to reduce its REST surcharge rates for 2016. Over the past two years, Mohave has accumulated a surplus of funds (\$3,039,516 forecasted for January 1, 2016) from the REST surcharge revenue collected. The proposed reduced rates are designed to maintain current budget levels for the existing programs by using past accumulated revenue along with revenue from expected collections with the amended rates. A copy of the proposed Tariff is included in the REST TARIFFS section of the filed REST Plan.

17. Staff has reviewed MEC's REST surcharge rates proposed to fund its annual budget for 2016 which are reduced from present rates. In light of the over-collection, Staff is proposing to reduce the REST surcharge to zero for all customers. Rates are shown in Table 3 below.

18. Expected revenue from customer classes is shown in Table 4.

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Street Lighting	\$351	\$0.13	\$0.75	1.38%
Total	\$376,251			

In the application, MEC has included some language on its RES Tariff regarding calculation of the RES Surcharge for prepaid customers (See A. under "Special Calculations"). MEC has agreed that the proposed language is in error. The language on the tariff should be the language that was

Decision N	No.
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approved by Decision No. 72082 (rate case Decision) with the updated surcharge and cap as approved by the Decision in this matter. The language should be as follows:

In the case of residential customers taking optional Prepaid Residential Service, the RES surcharge will be calculated daily at \$0.00 per kilowatt-hour of retail electricity purchased by the consumer that day, until the monthly surcharge cap of \$0.00 per service has been reached for the monthly billing period applicable to the service address.

Staff Recommendations

- 19. Staff has recommended that MEC's proposed 2016 Renewable Energy Standard and Tariff Plan be approved as discussed herein.
- 20. Staff has recommended that MEC's proposed incentive amounts as shown in Table 1 be approved with the exception that the incentive for PV and wind remain at \$0.20/watt.
- 21. Staff has recommended that MEC's Renewable Energy Standard Tariff rates and caps be reduced as proposed by Staff in Table 3.
- 22. Staff has recommended that, beginning in 2016, MEC file its annual REST compliance reports (required per Arizona Administrative Code R14-2-1812) in a docket to be opened by Staff.
- 23. Staff has recommended that MEC file in Docket Control a Renewable Energy Standard Tariff consistent with the Decision in this case within 15 days of the effective date of the Decision.

CONCLUSIONS OF LAW

- 1. Mohave Electric Cooperative, Inc. is an Arizona public service corporation within the meaning of Article XV, Section 2 of the Arizona Constitution.
- 2. The Commission has jurisdiction over Mohave Electric Cooperative, Inc. and over the subject matter of the application.
- 3. The Commission, having reviewed the application and Staff's Memorandum dated October 6, 2015, concludes that it is in the public interest to approve Mohave Electric Cooperative's Renewable Energy Standard and Tariff Implementation Plan as discussed herein.

Decision No.

ORDER IT IS THEREFORE ORDERED that Mohave Electric Cooperative's proposed 2016 Renewable Energy Standard and Tariff implementation plan is approved as discussed herein. IT IS FURTHER ORDERED that Mohave Electric Cooperative's proposed incentive amounts as shown in Table 1 are approved with the exception that the incentive for PV and wind remain at \$0.20/watt. IT IS FURTHER ORDERED that Mohave Electric Cooperative's Renewable Energy Standard Tariff rates and caps be reduced as proposed by Staff in Table 3. IT IS FURTHER ORDERED that, beginning in 2016, Mohave Electric Cooperative shall file its annual REST compliance reports in a docket to be opened by Staff.

	1			
1	IT IS FURTHER ORDERED that Mohave Electric Cooperative shall file in Docket Contro			
2	a Renewable Energy Standard Tariff consistent with the Decision in this case within 15 days of th			
3	effective date of the Decision.			
4	IT IS FURTHER ORDERED that this Order shall become effective immediately.			
5				
6	BY THE ORDER OF THE ARIZONA CORPORATION COMMISSION			
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8	CHAIRMAN COMMISSIONER			
9		COMMI	SSICIVER	
10				
11	COMMISSIONER	COMMISSIONER	COMMISSIONER	
12 13		IN WITNESS WHEREOF, Director of the Arizona (I, JODI JERICH, Executive	
14	Director of the Arizona Corporation Commission, hav hereunto, set my hand and caused the official seal of thi Commission to be affixed at the Capitol, in the City of			
15		Phoenix, thisday of _		
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17				
18		JODI JERICH EXECUTIVE DIRECTOR		
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20	DISSENT:			
21	DISSENT:			
22	TMB:JJP:nr/RRM			
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1	SERVICE LIST FOR: Mohave Electric Cooperative, Inc. DOCKET NO. E-01750A-15-0237
2	DOCKET NO. E-01/30A-13-023/
3	Mr. Michael A. Curtis
4	Mr. William P. Sullivan Curtis, Goodwin, Sullivan, Udal1, & Schwab, P.L.C.
5	501 East Thomas Road
6	Phoenix, Arizona 85012
7	Ms. Peggy Gillman Manager of Public Affairs and Energy Services
8	Mohave Electric Cooperative, Inc.
9	P.O. Box 1045 Bullhead City, AZ 86430
.0	Mr. Thomas M. Broderick
	Director, Utilities Division
.1	Arizona Corporation Commission 1200 West Washington Street
2	Phoenix, Arizona 85007
3	Ms. Janice M. Alward
4	Chief Counsel, Legal Division Arizona Corporation Commission
15	1200 West Washington Street Phoenix, Arizona 85007
16	
17	Dwight Nodes Chief Administrative Law Judge
18	1200 West Washington Street Phoenix, Arizona 85007
19	Thoulas, Theone 65007
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